

## M 5.8, 6 km W of Bagalangit, Philippines

Origin Time: 2021-08-13 15:08:32 UTC (Fri 23:08:32 local)  
Location: 13.7104° N 120.8272° E Depth: 129.3 km

Created: 1 day, 0 hours after earthquake

### Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

### Estimated Economic Losses

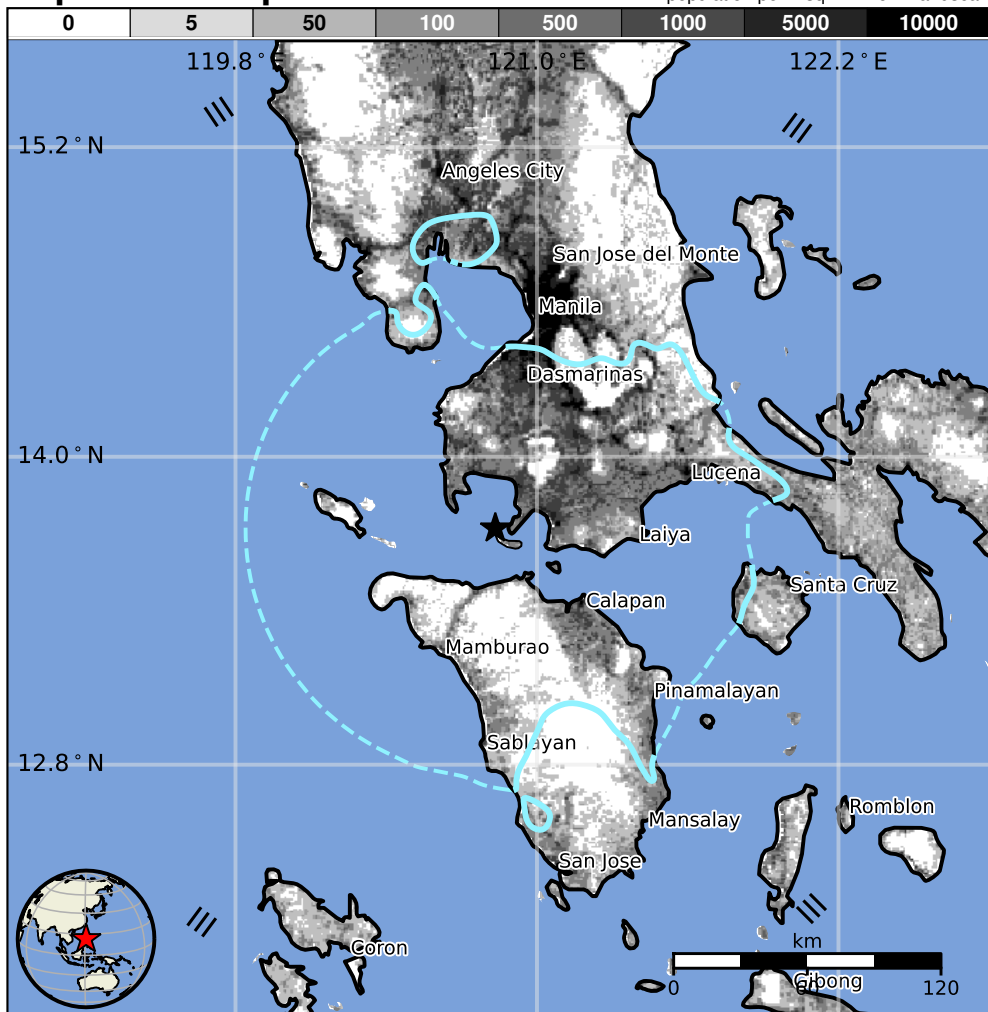


### Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	25,509k*	18,519k	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

\*Estimated exposure only includes population within the map area.

### Population Exposure



### Structures

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are unknown/miscellaneous types and heavy wood frame construction.

### Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1977-03-18	371	7.2	VII(520k)	1
1999-12-11	255	7.2	VIII(17k)	1
1990-07-16	226	7.7	IX(893k)	2k

Recent earthquakes in this area have caused secondary hazards such as landslides and liquefaction that might have contributed to losses.

### Selected City Exposure

from GeoNames.org

MMI	City	Population
IV	Calumpang	2k
IV	Communal	3k
IV	<b>Santa Cruz</b>	<b>3k</b>
IV	Biga	2k
IV	Luntal	3k
IV	Santo Nino	3k
IV	<b>Calapan</b>	<b>66k</b>
IV	Calamba	317k
IV	San Fernando	251k
III	Quezon City	2,762k
III	<b>Manila</b>	<b>1,600k</b>

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us6000f5na#pager>

bold cities appear on map.

(k = x1000)

Event ID: us6000f5na